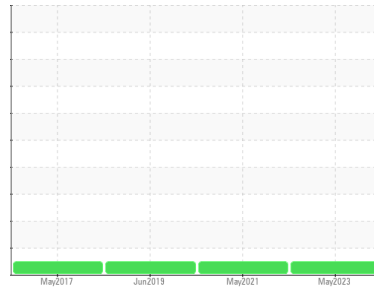




# OIL ANALYSIS REPORT

Sample Rating Trend

**NORMAL**



Area  
**SYNOIL 8K PLUS**  
 Machine Id  
**QUINCY QSI 245 95211A - ZINGA INDUSTRIES**  
 Component  
**Compressor**

## DIAGNOSIS

### Recommendation

No corrective action is recommended at this time. Resample at the next service interval to monitor.

### Wear

All component wear rates are normal.

### Contamination

Moderate concentration of visible dirt/debris present in the oil.

### Fluid Condition

The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

SAMPLE INFORMATION		method	limit/base	current	history1	history2
Sample Number	Client Info			<b>UCZ05855624</b>	UCZ05270577	UCZ04727963
Sample Date	Client Info			<b>17 May 2023</b>	20 May 2021	04 Jun 2019
Machine Age	hrs	Client Info		<b>76131</b>	75263	73583
Oil Age	hrs	Client Info		<b>3080</b>	2800	1000
Oil Changed	Client Info			<b>N/A</b>	Not Changd	N/A
Sample Status				<b>NORMAL</b>	NORMAL	NORMAL

WEAR METALS		method	limit/base	current	history1	history2
Iron	ppm	ASTM D5185m	>50	<b>&lt;1</b>	<1	<1
Chromium	ppm	ASTM D5185m	>5	<b>0</b>	0	<1
Nickel	ppm	ASTM D5185m		<b>0</b>	0	<1
Titanium	ppm	ASTM D5185m		<b>0</b>	0	0
Silver	ppm	ASTM D5185m		<b>0</b>	<1	<1
Aluminum	ppm	ASTM D5185m	>15	<b>0</b>	2	0
Lead	ppm	ASTM D5185m	>65	<b>0</b>	0	3
Copper	ppm	ASTM D5185m	>65	<b>2</b>	1	<1
Tin	ppm	ASTM D5185m	>10	<b>&lt;1</b>	<1	0
Antimony	ppm	ASTM D5185m		<b>---</b>	0	<1
Vanadium	ppm	ASTM D5185m		<b>0</b>	0	0
Cadmium	ppm	ASTM D5185m		<b>0</b>	0	<1

ADDITIVES		method	limit/base	current	history1	history2
Boron	ppm	ASTM D5185m	0.3	<b>0</b>	3	3
Barium	ppm	ASTM D5185m	0.3	<b>0</b>	0	0
Molybdenum	ppm	ASTM D5185m	0	<b>0</b>	0	0
Manganese	ppm	ASTM D5185m	0.9	<b>&lt;1</b>	<1	2
Magnesium	ppm	ASTM D5185m	0.2	<b>0</b>	<1	<1
Calcium	ppm	ASTM D5185m	0.1	<b>0</b>	0	0
Phosphorus	ppm	ASTM D5185m	429	<b>469</b>	356	395
Zinc	ppm	ASTM D5185m	0.3	<b>6</b>	55	10
Sulfur	ppm	ASTM D5185m	1336	<b>769</b>	459	494

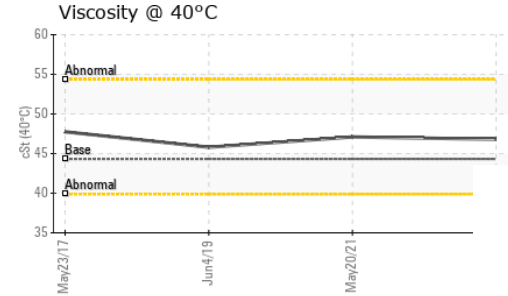
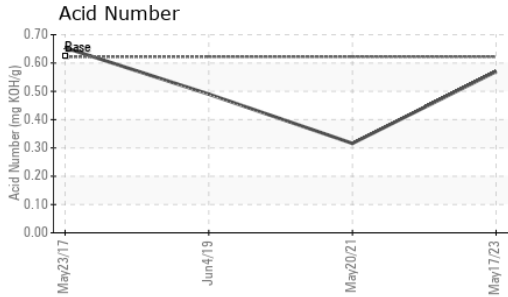
CONTAMINANTS		method	limit/base	current	history1	history2
Silicon	ppm	ASTM D5185m	>35	<b>3</b>	11	4
Sodium	ppm	ASTM D5185m		<b>0</b>	2	5
Potassium	ppm	ASTM D5185m	>20	<b>0</b>	<1	4

FLUID DEGRADATION		method	limit/base	current	history1	history2
Acid Number (AN)	mg KOH/g	ASTM D8045	0.622	<b>0.57</b>	0.316	0.490

VISUAL		method	limit/base	current	history1	history2
White Metal	scalar	*Visual	NONE	<b>LIGHT</b>	MODER	NONE
Yellow Metal	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Precipitate	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Silt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Debris	scalar	*Visual	NONE	<b>MODER</b>	MODER	NONE
Sand/Dirt	scalar	*Visual	NONE	<b>NONE</b>	NONE	NONE
Appearance	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Odor	scalar	*Visual	NORML	<b>NORML</b>	NORML	NORML
Emulsified Water	scalar	*Visual	>0.1	<b>NEG</b>	NEG	NEG
Free Water	scalar	*Visual		<b>NEG</b>	CURT DELAY - UCZ	ORMCF

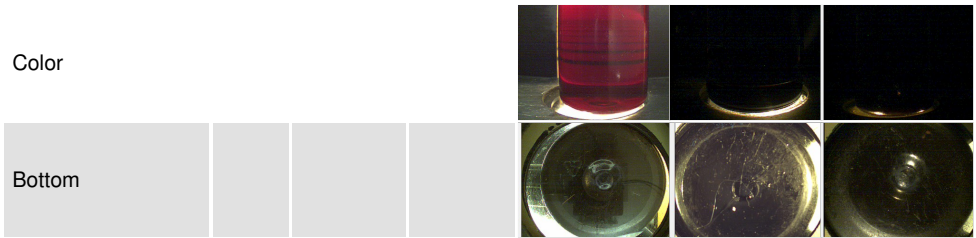


# OIL ANALYSIS REPORT

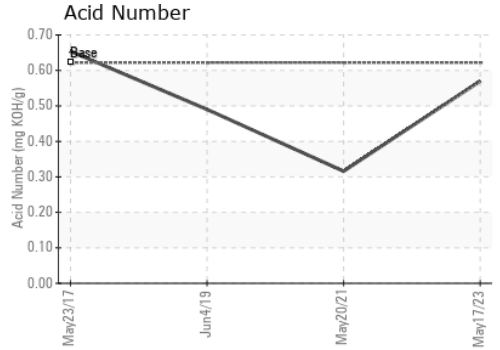
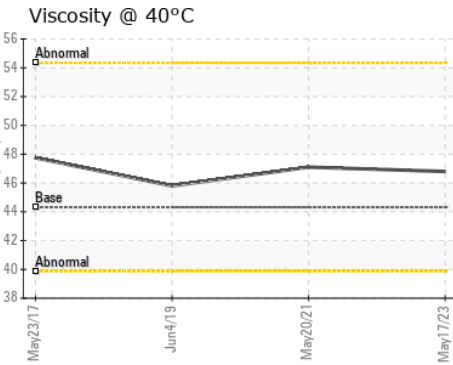
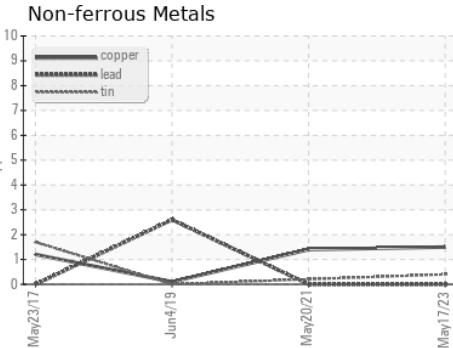
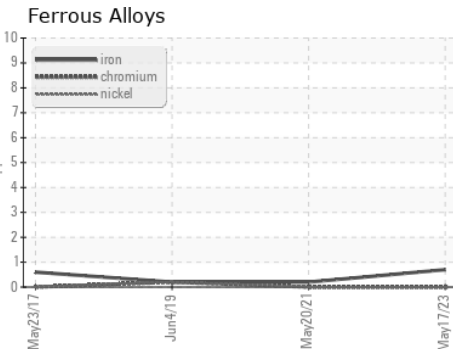


FLUID PROPERTIES	method	limit/base	current	history1	history2	
Visc @ 40°C	cSt	ASTM D445	44.32	<b>46.8</b>	47.1	45.8

SAMPLE IMAGES	method	limit/base	current	history1	history2
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## GRAPHS



**Laboratory** : WearCheck USA - 501 Madison Ave., Cary, NC 27513  
**Sample No.** : UCZ05855624 **Received** : 24 May 2023  
**Lab Number** : **05855624** **Diagnosed** : 25 May 2023  
**Unique Number** : 10484979 **Diagnostician** : Don Baldrige  
**Test Package** : IND 2

**ZORN COMP & EQUIPMENT CO (MCF)**  
 4803 TRIANGLE ST  
 MCFARLAND, WI  
 US 53558  
 Contact: CURT DELACY  
 curt.delacy@zorn-air.com  
 T: (608)838-7040  
 F: (608)838-7636

Certificate L2367  
 To discuss this sample report, contact Customer Service at 1-800-237-1369.  
 \* - Denotes test methods that are outside of the ISO 17025 scope of accreditation.  
 Statements of conformity to specifications are based on the simple acceptance decision rule (JCGM 106:2012)